

All COR ISO Recommendations

Latent Condition, Seismic and ISS

Friday, October 12, 2012 12:57:12 PM

Type	Rec #	ABU	Unit	Year (I/R)	LC or ISS Question #	LC Question ISS Question Seismic Area	Observation	Recommendation	Resolution	Duc Date	Assigned To	Status
Latent Condition	684	U&E	RO Plant	2010	2-8	Are there jobs that are beyond employees' physical limits or safe physical limits (e.g., carrying equipment, that requires both hands, up stairs that are poorly lighted at night?	<p>This is not an issue in the RO Plant, workers are trained to ask for assistance, if required.</p> <p>There is a concern about operator safety when loosening/tightening eye bolts on cartridge filters with current tools available. Location/position of bolts may be an issue.</p> <p>Operators were surveyed in Feb/Mar 2010. did not feel a custom tool was needed. However there is some concern regarding the best way and/or tool to safely accomplish the task.</p>	Revisit issue and confirm the decision made to continue cartridge filter changeout without use of a special tool.	The issue of the value of a special tool to loosen/tighten the cartridge filter eye bolts has been thoroughly reviewed with all operating crews and the majority are satisfied with the current situation and the tools available. This recommendation was declined by Evan McGreevy at the RO Plant PHA revalidation closeout meeting on 6/2/2010. (Tim Storrs)	6/2/2010	McGreevy, Donald E.	Completed
Seismic	618	U&E	RO PLANT	2010		K-4083	Heavy corrosion of skid base and anchor bolts (Pic 1).	Replace base and anchor bolts	K-4083 moved to different location per RARE Plant Project. Seismic item obsolete. CRRJ (1/14/11)	6/2/2011	Carrillo, Albert	Completed
Seismic	619	U&E	RO PLANT	2010		T-4083	Corroded stanchion, base plate and anchor bolts (Pic 2).	Replace stanchion, base plate and anchor bolts. Evaluate concrete footing for soundness and replace if required.	<p>Status 5/6/2011 Mark Crow (MXEW)</p> <p>Work completed per DED Mike Fitzgerald (MFitzgerald)</p> <p>Repaired stanchion near T-4083 on 4/28/2011 via WO # 325125.</p>	6/2/2011	Carrillo, Albert	Completed
Seismic	620	U&E	RO PLANT	2010		T-4083	Cracked and degraded concrete curb at base of tank (Pics 3-6).	Evaluate curb for intended purpose. Repair or replace as needed.	Curb repair has been completed per DED. CRRJ (2-1-11)	6/2/2011	Carrillo, Albert	Completed

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Seismic	621	U&E	RO PLANT	2010		Perma Clean PC-11 tank	Tank appears to have no anchorage (Pic 7).	Evaluate tank for seismic loading and anchor down as required.	<p>Status 5/24/11 Mark Crow (MXEW):</p> <p>The tank will be taken out of service and removed from the area by August 2011. This is a low risk item, and in the event of seismic activity, the existing safeguards are adequate to mitigate risks of associated hazards. It is determined that it is not necessary to provide seismic anchoring for this tank.</p> <p>Perma Clean PC-11 tank is a 200 gal plastic Nalco tote containing 25% NaOH. The tank currently rests on 4 supports, raising the tote ~3 ft off of the ground. Hose connections are used to connect tote to the process piping. In case of seismic activity and the tote is dislodged from its supports, it is possible that hose connection may be damaged, resulting in a loss of containment. The secondary containment at the base of the tote is sized to contain the contents of the tote. In the event that the contents leak beyond the secondary containment, it will be routed to a process drain and collected in the separators where the material will be treated appropriately. There is no risk of fire resulting from a loss of containment in this event. The risk of personnel injury resulting from either exposure to tank contents or impact by the tote is low based on evaluation of work area and amount of time personnel work in the area.</p> <p>Resolution approved by Jon Mauer, Don Reyes, and Albert Carrillo</p>	6/2/2011	Carrillo, Albert	Completed

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Seismic	622	U&E	RO PLANT	2010		TXBX Units	One anchor plate has only tack welds. In general, anchorage type looks inadequate (Pic 8).	Evaluate for seismic loading and revise anchorage if required. Augment welding where deficient.	Size of weld(s) has been increased per direction from Civil Engineer. Complete per DED e-mail on 4/11/11. See below: CoR ISO item #622 is complete. Enlarge hold down welds on RO TXBK units. Mike	6/2/2011	Carrillo, Albert	Completed